

Converting Colors

XYZ(47.7503, 71.1148, 40.1219)

Have a look what the booklet for
XYZ(47.7503, 71.1148, 40.1219)
contains.

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Color

**XYZ(47.7384, 71.1095,
40.0636)**

Conversions

Conversions Part 1

Format	Color
Hex	8AF296
RGB	138, 242, 150
RGB Percent	54%, 95%, 59%
CMY	0.4588, 0.0510, 0.4118
CMYK	0.43, 0.00, 0.38, 0.05
HSL	127°, 80%, 75%
HSV	127°, 43%, 95%
XYZ	47.7384, 71.1095, 40.0636
YIQ	200.4160, -32.4520, -50.6600

Conversions

Conversions Part 2

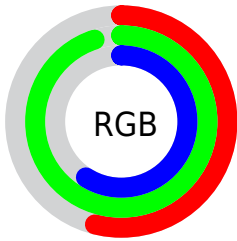
Format	Color
RYB	138, 231, 242
Decimal	9106070
CIELab	87.54, -48.84, 35.20
CIElCh	88, 60.200, 144.219
Yxy	71.1095, 0.3004, 0.4475
Android (android.graphics.Color)	4287296150 (0xFF8AF296)
YUV	200.4160, -24.8551, -54.7388
Hunter-Lab	84.3264, -46.5199, 30.8598

Details

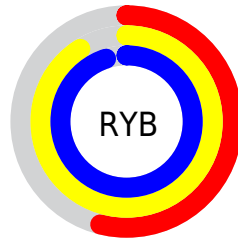
The XYZ color **47.7384, 71.1095, 40.0636** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **59.9916, 42.7688, 79.9587**, and the grayscale version is **55.3207, 58.2017, 63.3816**.

A 20% lighter version of the original color is **69.5444, 87.6635, 71.0130**, and **22.9469, 37.3291, 17.5511** is the 20% darker color. If you saturate the color by 10%, you get **42.6026, 68.6453, 31.6324**, and if you desaturate by 10%, it is **54.0847, 74.1655, 50.1984**.

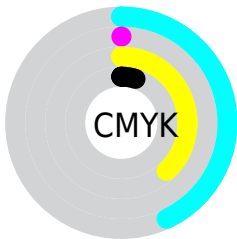
Distribution



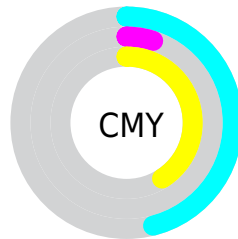
- Red (54%)
- Green (95%)
- Blue (59%)



- Red (54%)
- Yellow (91%)
- Blue (95%)



- Cyan (43%)
- Magenta (0%)
- Yellow (38%)
- Black (5%)





- Cyan (46%)
- Magenta (5%)
- Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.7384, 71.1095, 40.0636 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 47.7384, 71.1095, 40.0636 by changing the saturation by 10% instead.


 47.7384, 71.1095,
40.0636


 47.7384, 71.1095,
40.0636


368.3541,
464.4361, 361.9516

 33.8302, 52.4316,
27.2740


 86.0268, 120.7896,
76.4985

 22.9254, 37.3492,
17.5448

 111.1377,
152.5606, 100.9809

 14.6588, 25.4780,
10.4577


140.7136,
189.4647, 130.1979

 8.6651, 16.4335,
5.5939

175.1197,
231.8864, 164.5681

 4.5787, 9.8314,
2.5350

214.7215,
280.2099, 204.5100

 2.0345, 5.2873,
0.8586

259.8842,

 0.6532, 2.4168,

334.8198, 250.4422

0.0000

310.9733,
396.1004, 302.7832

0.0000, 0.8345,
0.0000

0.0000, 0.0000,
0.0000

47.7384, 71.1095,
40.0636

47.7384, 71.1095,
40.0636

42.6026, 68.6453,
31.6324

54.0847, 74.1655,
50.1984

38.5949, 66.7261,
24.8068

61.7065, 77.8387,
62.1181

35.6309, 65.3128,
19.4862

70.6704, 82.1639,
75.9045

33.6119, 64.3569,
15.5566

81.0368, 87.1706,
91.6331

■ 32.4200, 63.8003,
12.8879

■ 91.0435, 91.9870,
107.5645

■ 31.9622, 63.5905,
11.6835

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



56.9769, 71.1095, 25.7073



47.7384, 71.1095, 40.0636



43.8642, 71.1095, 69.8008

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



47.7384, 71.1095, 40.0636



64.8696, 71.1095, 184.4306



95.7255, 71.1095, 49.5333

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



47.7384, 71.1095, 40.0636



59.9916, 42.7688, 79.9587

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



98.6146, 71.1095, 85.5875



47.7384, 71.1095, 40.0636



79.4397, 71.1095, 173.0856

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



47.7384, 71.1095, 40.0636



52.8237, 71.1095, 159.9431



92.2928, 71.1095, 132.8498



84.8738, 71.1095, 29.6792

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



47.7384, 71.1095, 40.0636



44.3901, 71.1095, 98.3039



92.2928, 71.1095, 132.8498



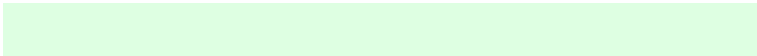
97.7184, 71.1095, 59.7358

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



47.7402, 71.1125, 40.0652



79.5212, 92.4991, 85.3810



69.4914, 82.4316, 36.2936



16.5144, 19.5542, 17.5004



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



47.7402, 71.1125, 40.0652



48.4086, 77.5132, 36.3415



52.7075, 73.0994, 66.2227



15.6401, 17.6861, 17.1275



17.1946, 34.1699, 6.4077



1.4545, 2.8522, 0.6598

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



59.9916, 42.7688, 79.9587



63.9322, 41.5509, 86.8544



53.9060, 40.3346, 47.9123



16.3711, 15.9982, 19.5105



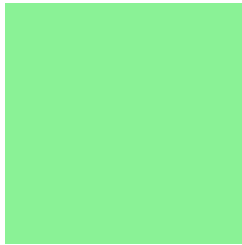
26.2299, 12.7644, 35.4570



2.2042, 1.0707, 3.0660

Previews

White Background



This preview shows how the XYZ color 47.7384, 71.1095, 40.0636 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 47.7384, 71.1095, 40.0636 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 47.7384, 71.1095, 40.0636

Background



This preview shows how black text looks on a background with the XYZ color 47.7384, 71.1095, 40.0636.



This preview shows how white text looks on a background with the XYZ color 47.7384, 71.1095,

40.0636.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

47.7384, 71.1095, 40.0636

Protanopia

64.7301, 70.0408, 34.9185

Deuteranopia

71.0781, 70.0698, 45.3759



Tritanopia

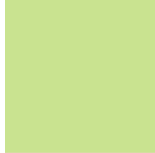
59.6938, 70.8041, 100.1429

Trichromacy



Original Color

47.7384, 71.1095, 40.0636



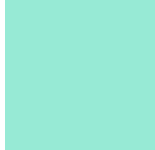
Protanomaly

56.5905, 69.3693, 36.7925



Deuteranomaly

59.6178, 68.7777, 43.3909



Tritanomaly

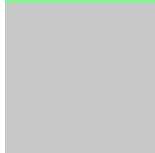
54.1956, 70.2290, 73.6499

Monochromacy



Original Color

47.7384, 71.1095, 40.0636



Achromatopsia

54.8990, 57.7580, 62.8985



Achromatomaly

50.8754, 61.3254, 53.4115

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.7384, 71.1095, 40.0636 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(138, 242, 150)` looks like.

```
.text, #text, p{  
    color:rgb(138, 242, 150)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(138, 242, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 242, 150) }
```

Border

The CSS property to change the border of an element to XYZ 47.7384, 71.1095, 40.0636 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(138, 242, 150) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(138, 242, 150) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(138, 242, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 242, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 242, 150);  
box-shadow:4px 4px 4px 4px rgb(138, 242,  
150) }
```

Background

The CSS property to change the background color of an element to XYZ 47.7384, 71.1095, 40.0636 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 242, 150) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(138,  
242, 150) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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